

WHAT IS CLAIMED IS:

1. A transceiver configured to operate on a half-duplex mode, comprising:
a housing defining a cavity; and
a control device, positioned within the cavity, for receiving a recipient identification code that identifies a remote transceiver and for transmitting an initiator identification code and the recipient identification code to the remote transceiver.
2. The transceiver as defined in claim 1, wherein after the control device transmits the initiator identification code and the recipient identification code to the remote transceiver, the control device receives the recipient identification code from the remote transceiver.
3. The transceiver as defined in claim 1, wherein the control device transmits the initiator identification code and the recipient identification code directly to the remote transceiver without the use of an intermediate network.
4. The transceiver as defined in claim 1, wherein the control device includes a scrambler for encoding transmitted voice data and a descrambler for decoding received voice data.
5. The transceiver as defined in claim 1, wherein the control device scans a plurality of channels for a signal or interference and designates a first available channel as a primary channel and a second available channel as a standby channel.
6. The transceiver as defined in claim 5, wherein the control device creates an available channel table that includes a plurality of channel numbers representing the plurality of channels that did not have the signal or interference.

7. The transceiver as defined in claim 1, wherein the control device operates using half-duplex communication.

8. A method for establishing two-way communication between an initiator device and a recipient device, comprising:

transmitting call initiate information having a recipient identification code from the initiator device to a plurality of active devices, each of the plurality of active devices having an identification code;

determining whether the recipient identification code is identical to the identification code of each of the plurality of active devices;

receiving acknowledgement information from a plurality of recipient devices selected from the plurality of active devices that has an identification code that is identical to the recipient identification code; and

transmitting voice data from the initiator device to the plurality of recipient devices.

9. The method as defined in claim 8, further comprising scanning a plurality of channels for locating at least two available channels for communication.

10. The method as defined in claim 8, further comprising creating the call initiate information using the initiator device.

11. The method as defined in claim 8, wherein the call initiate information includes a synchronization code, a primary channel number, a standby channel number, an initiator identification code, a recipient identification code and an error checking code.

12. The method as defined in claim 8, wherein the call initiate information is transmitted via a first channel.

13. The method as defined in claim 12, wherein the acknowledgement information is received via a second channel.

14. The method as defined in claim 13, further comprising switching to the second channel if the first channel has any interference.

15. The method as defined in claim 8, wherein the acknowledgement information includes a synchronization code, a recipient identification code and an error checking code.

16. The method as defined in claim 8, further comprising scrambling the voice data at the initiator device and decoding the voice data at the plurality of recipient devices.

17. A method for providing secure direct communication amongst multiple transceivers without the use of an intermediate network, comprising:

receiving a plurality of recipient identification codes corresponding to a plurality of transceivers;

creating call initiate information using the plurality of recipient identification codes;

transmitting the call initiate information to the plurality of transceivers;

receiving acknowledgement information from the plurality of transceivers;

scrambling voice data;

transmitting the scrambled voice data to the plurality of transceivers; and

decoding the scrambled voice data at the plurality of transceivers.

18. The method as defined in claim 17, further comprising receiving a number representing the total number of recipient identification codes.

19. The method as defined in claim 17, wherein the transmitting the call initiate information to the plurality of transceivers is performed by a initiator transceiver.

20. The method as defined in claim 19, wherein the initiator transceiver transmits the call initiate information within an area defined by a 1 to 5 mile radius around the initiator transceiver.

21. The method as defined in claim 19, wherein the initiator transceiver has a direct wireless link to the plurality of transceivers without the use of an intermediate network.

22. The method as defined in claim 17, wherein the transmitting the call initiate information to the plurality of transceivers is via a primary channel.

23. The method as defined in claim 17, wherein the receiving acknowledgement information from the plurality of transceivers is via a standby channel.

24. A method for establishing a secure direct connection between a initiator transceiver and a plurality of recipient transceivers without the use of a telephone network, comprising:

transmitting via a primary channel call initiate information having a recipient identification code from the initiator transceiver to the plurality of recipient transceivers, each of the plurality of recipient transceivers having an identification code;

receiving via a standby channel acknowledgement information from at least one of the plurality of recipient transceivers whose identification code is identical to the recipient identification code; and

transmitting via the primary channel voice data from the initiator transceiver to the at least one of the plurality of recipient transceivers whose identification code is identical to the recipient identification code.

25. The method as defined in claim 24, further comprising scrambling the voice data at the initiator transceiver.

26. The method as defined in claim 24, further comprising decoding the scrambled voice data at the at least one of the plurality of recipient transceivers.

27. The method as defined in claim 24, wherein the initiator transceiver has a direct wireless link to the plurality of recipient transceivers without the use of a telephone network.